Using Video Capture To Enhance The Search For Missing Your Loved Ones

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Agenda

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II. System Requirements
1. Hardware
2. Software

III. Utilizing Video Capture To Help Us Find Our Missing Loved Ones

IV. The Video Capture Process

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I. Video Capture Overview

- Defined as the conversion of analog video signals, such as those generated by a video camera, into a digital format and then storage of the digital video on a computer's mass storage device (hard drive).

- Video capture from analog devices requires a special video capture card or box that converts the analog signals into digital form and compresses the data.

- Utilize your computer to manipulate the captured digital video into your own video production.

(Definition courtesy http://www.webopedia.com)

II. System Requirements

1. Hardware

- Personal Computer (PC) with minimum requirements:

Pentium (or equivalent) PC @ 800 MHz, 256 MB RAM,
40 GB of free hard drive space (7200 RPM drive)
Microsoft Windows 98/ME/2000/XP
Full Duplex Sound card with line-in, high speed interface (USB or Firewire)
CD ROM and (CD or DVD Recordable Drive)
Video capture device, Internet Access

- Recommended PC Upgrades to above configuration

Pentium 4 (or equivalent) @ 2.0 GHz, 512 MB RAM, 250 GB 7200 RPM separate hard drive (an hour of video captured in DVD quality will approach 1.5 GB), High speed USB 2.0 Port, Microsoft Windows 2000/XP which support files sizes over 4 GB.

II. System Requirements (Cont)

1. Hardware (Cont)

- Video Capture Device Options

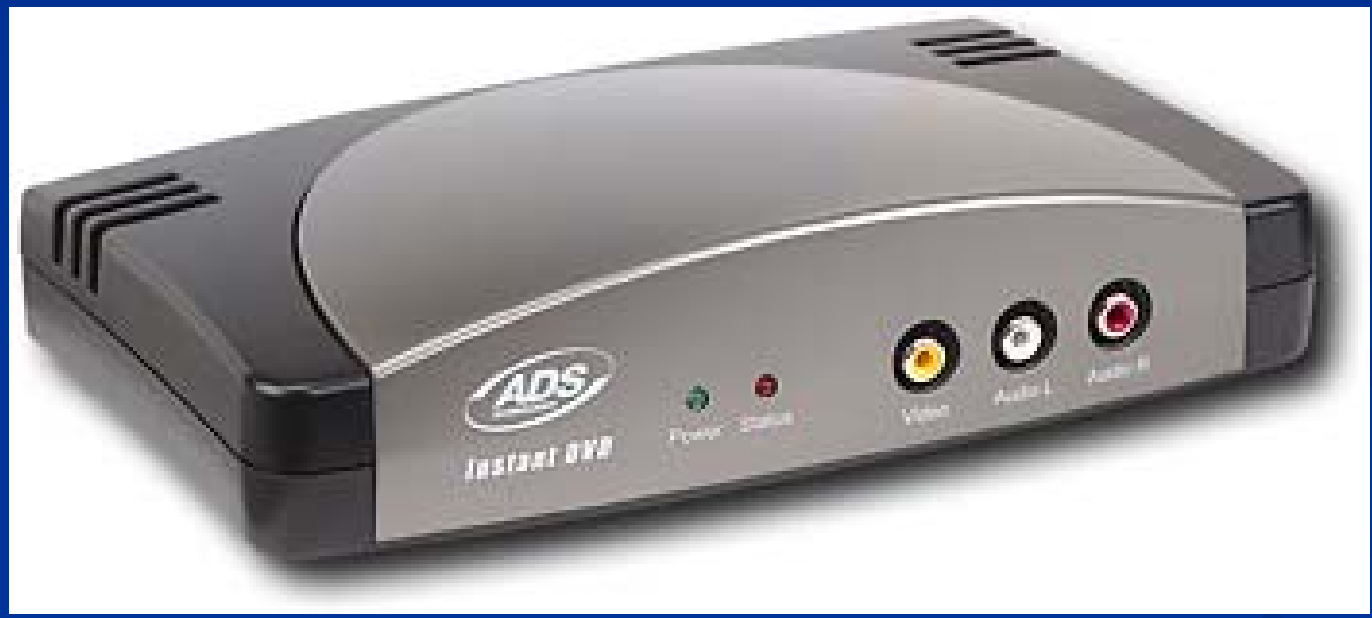
  - Numerous choices ranging from $50 to $400 as described on http://www.dvdrhelp.com/capturecards depending on your operating system, PC hardware and application.

  - My choice is an External Capture Device, the ADS Tech Instant DVD 2.0, which connects to the computer via the USB 2.0 port.

    - Available for as low as $150
    - No need to customize computer
    - Includes Ulead's Video Studio 7 VCD/DVD Capture, Edit, Authoring & Burning Software For Win 98/ME/2000/XP
    - USB 2.0 & Audio/Video Cables Provided
    - Small Footprint (7"W x 4.5" deep x 1.5" H)

II. System Requirements (Cont)

1. Hardware (Cont)



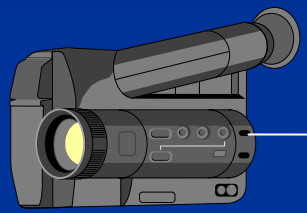
ADS Tech Instant DVD 2.0

II. System Requirements (Cont)

1. Hardware (Cont)

Color Printer

Scanner (Optional)



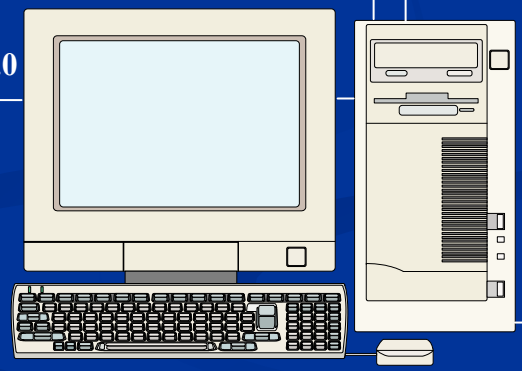
Digital Camcorder Input

Possible Inputs

Output to computer via USB 2.0

VCR Input

ADS Tech Instant DVD 2.0



USB 2.0 or Firewire

Sony DRX-510UL DVD±RW/R Drive (Optional)

Simplified Interconnect to the Computer

(not to scale)

II. System Requirements (Cont)

2. Software

Essential

- Microsoft Windows 2000 or XP - Preferred

- Ulead Video Studio 7 or equivalent (Provided with Capture Device)
  - Full DVD Authoring Software
  - Capture Video, Edit Video and Burn VCDs & DVDs (Burner Req'd)

Optional But Important Support Software

- Paint Shop Pro 8.0 or equivalent – To Edit Scanned & Digital Images and convert between file types (i.e. .BMP, .TIF or .JPEG)

- Easy CD Creator 7.0 – CD/DVD Burning from an image file, Convert LPs & cassettes to .WAVand .MP3 sound files, Play & Edit Sound files, Create CD or DVD backups of your data and audio, & create CD/DVD Labels.

III. Utilizing Video Capture To Help Us Find Our Missing Loved Ones

- Why Use Video Capture?
  - Added Dimension of Communication
    - More Powerful than only Photos on Flyers
    - Introduction Video to Tell Your Story (Tape yourself)
    - Insert Videos of your loved ones to show their mannerisms and hear their voice
    - Insert Photos of your loved ones
    - Insert scanned images of maps, jewelry worn, & clothing worn
    - Use Overlay to Insert Videos, Titles & Images over Videos for Emphasis
    - Insert Descriptive Titles
    - Add "Voice Over" to narrate the video or add music if you like
    - Add a Scene Selection Menu to "Jump" to a Scene & Transitions Between Scenes
    - Add TV news stories

III. Utilizing Video Capture To Help Us Find Our Missing Loved Ones (Cont)

- Why Use Video Capture? (Cont)
  - Distribution
    - Burn your Video Movie onto a CD or DVD and hand out or mail to Law Enforcement, the Media, your Family, friends & the rest of your support team.
    - Save your Project or a piece of it as a "Windows Media Player" Video File for e-mailing and uploading to web sites for worldwide Internet viewing.
  - Portable
    - Using a Portable DVD Player like the Panasonic 9" screen LA95 shown below and bring your videos "with you" in the search for your loved ones.

IV. The Video Capture Process

- Video Capture Setup Tips
  - The Video Capture Process is very demanding on your computer's resources.

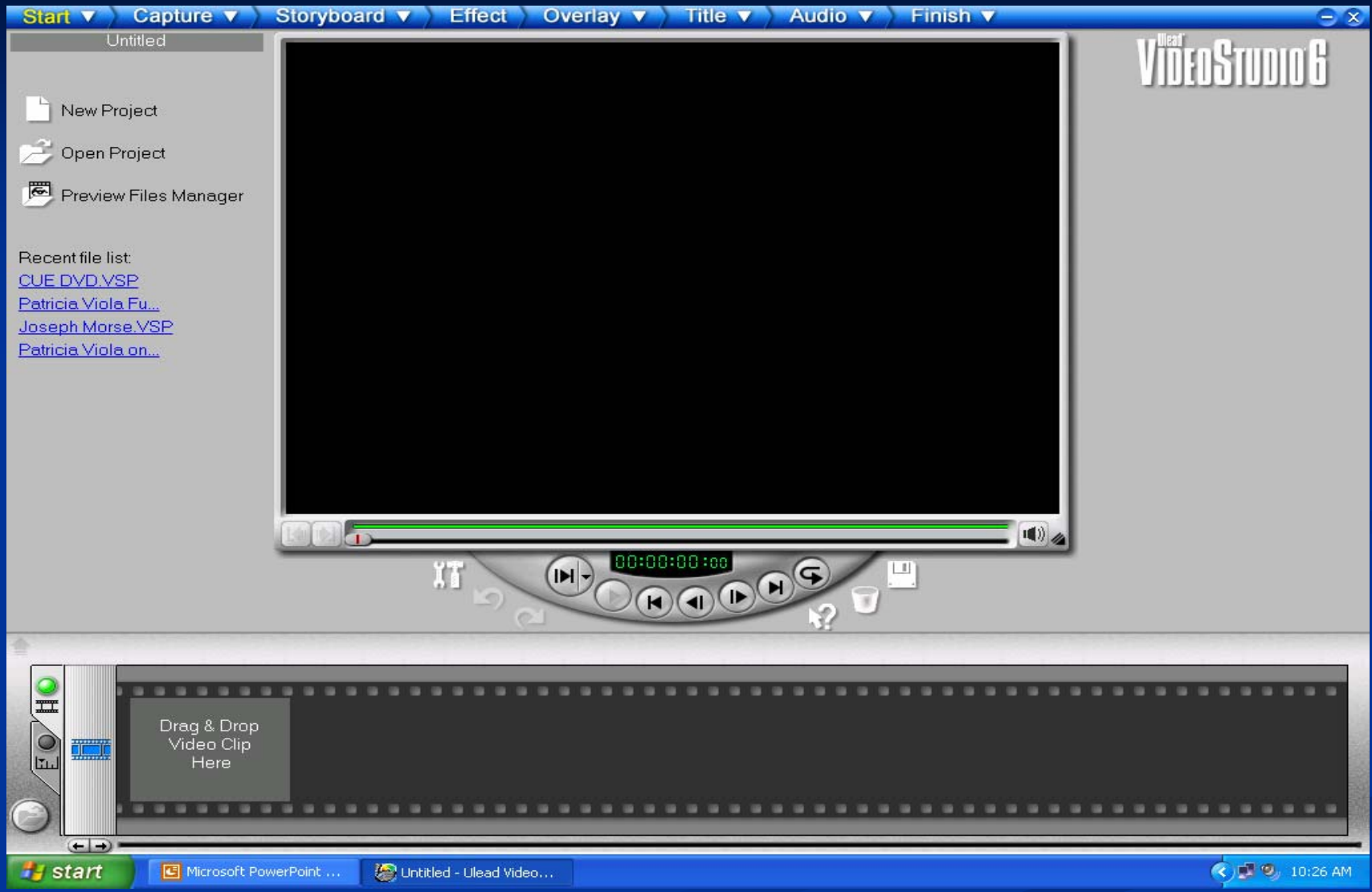
  - Before starting the capture process:
    - Close all unnecessary applications.

    - Shut off all other devices such as USB scanners which may interfere with a USB Capture Device.

    - In Control Panel, Sound and Audio Devices, On the Audio tab, Sound Playback Volume, Mute all Master Volume mixer settings except your "Line In" to reduce echo.

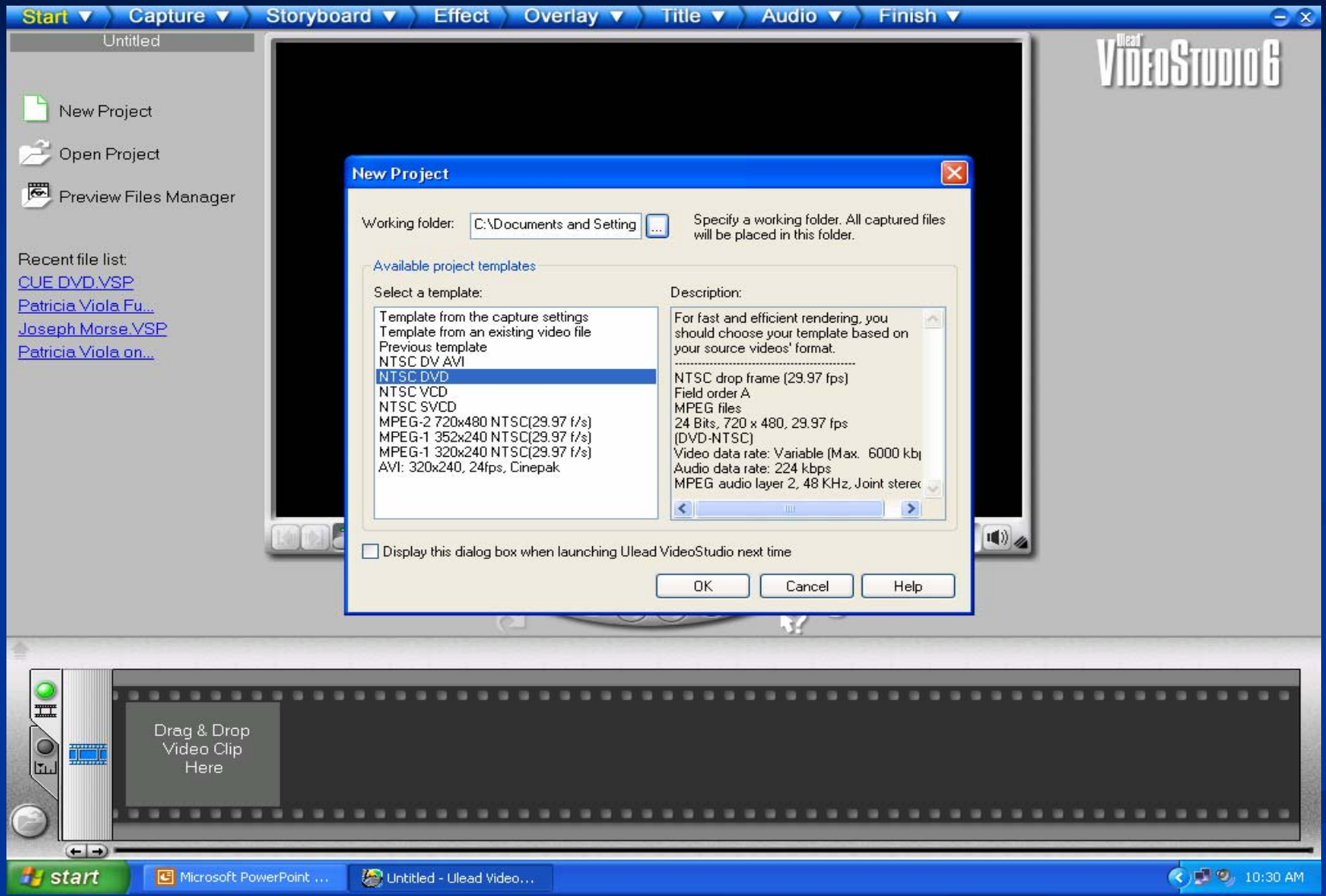
  - All subsequent Video Capture screens utilize Ulead's Video Studio Version 6. Other Software packages will be similar.

IV. The Video Capture Process (Cont)



Video Studio's Startup screen – Open an existing project or start a new project

IV. The Video Capture Process (Cont)



Setup a New Project for NTSC DVD & Select Working Directory you will use to sore the captured data on your computer's hard drive.

IV. The Video Capture Process (Cont)

Ready VCR with Tape. Select Capture, Press Play on VCR. Capture starts.

IV. The Video Capture Process (Cont)

Press ESC key to Stop Capture. Clip saved on HD & in the Video Library. Select Storyboard Mode. Select Video Clip on Video Track. Drag handles in Preview Window to Select Desired Video. Click Save Trimmed Video.

IV. The Video Capture Process (Cont)

Storybook Mode. Clicked Green button on bottom left for storybook mode. Deleted original captured Clip from project on bottom & dragged desired clip plus two other existing video clips from the library to our project.

IV. The Video Capture Process (Cont)

Effect Mode. Use pull-down on right to select a scene transition. Drag & Drop it between the desired clips.

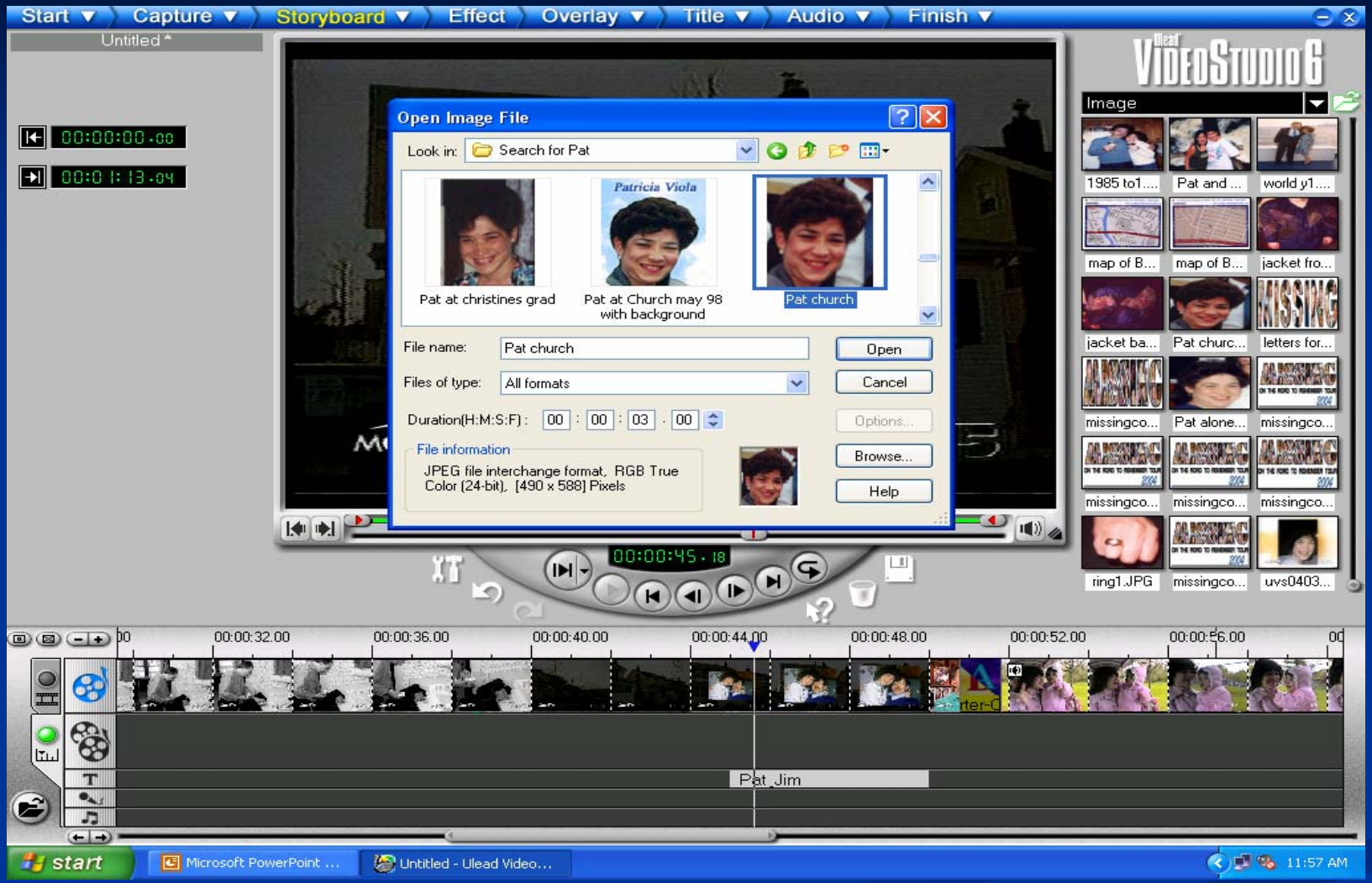
IV. The Video Capture Process (Cont)

Title Mode. Click Grey button to select timeline mode showing all your project tracks (Main Video, Overlay, Title, Voice & Music). Using mouse, click location on Main Video track to add Title. Click Preview screen & type Title using font & time controls.

IV. The Video Capture Process (Cont)

Title Mode. Click Add. Note Title added to Title Track, denoted with a "T". Click the Zoom button to expand the timeline. Drag right side of selected title to increase time.

IV. The Video Capture Process (Cont)

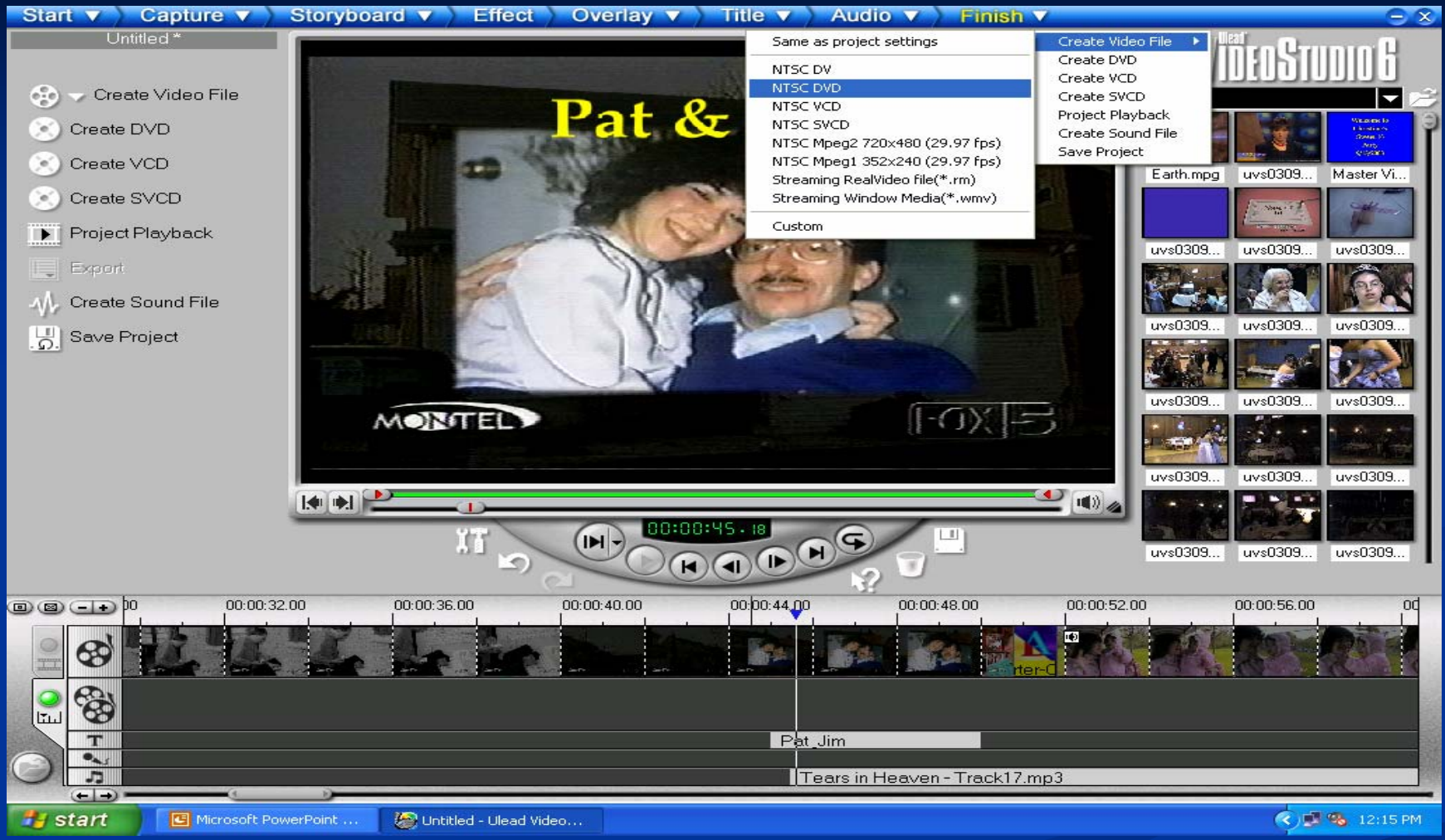


To import an image, go to Storybook. Click on Image on the Library. Click to Folder to select an image from your HD. Click Open to add to the Library. Switch Project to Storybook mode & drag the new image to the project (Main Video or Overlay Track) just like a video clip. Click image & set length of time shown.

IV. The Video Capture Process (Cont)

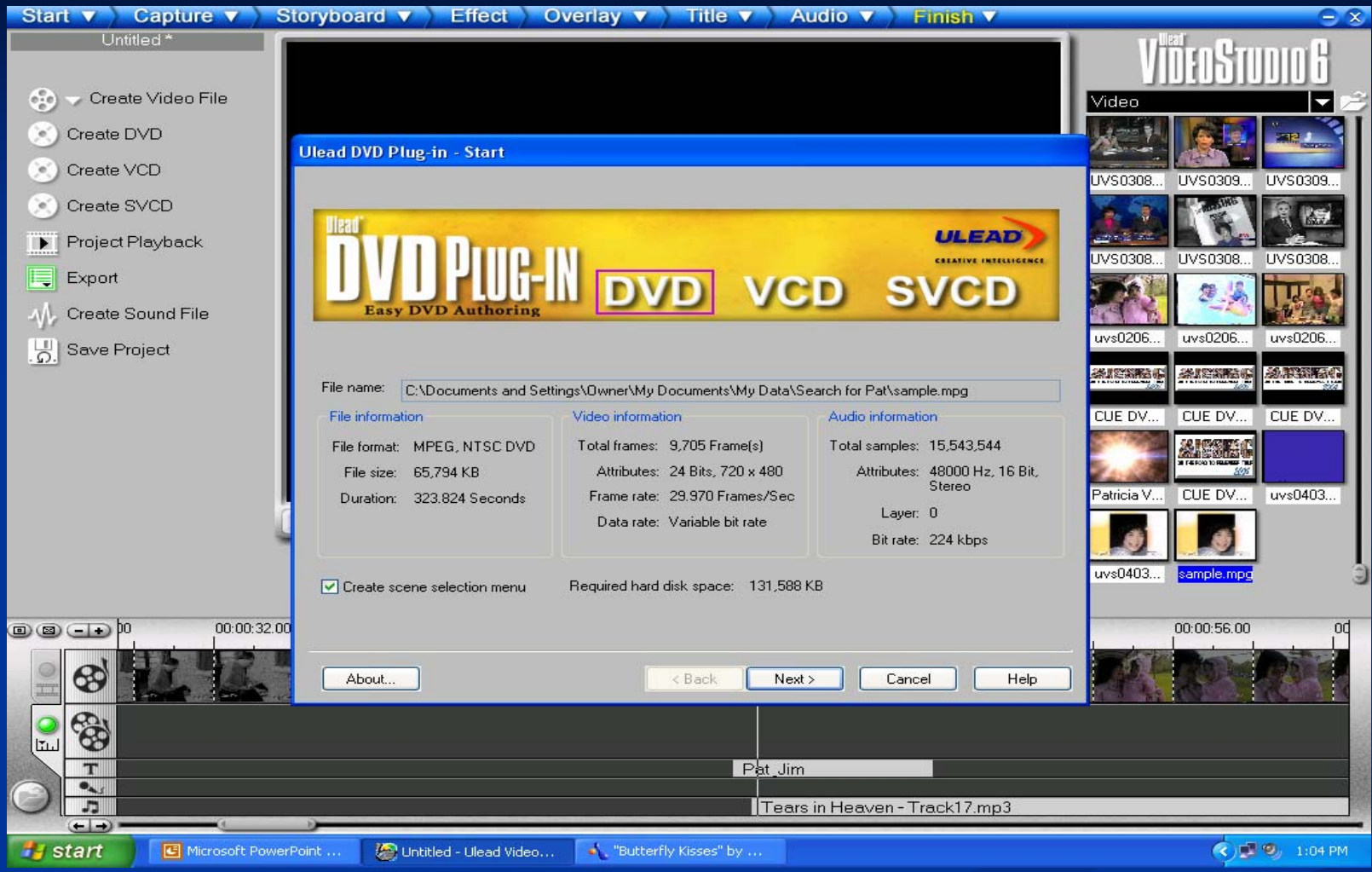
Adding Audio (.MP3 or .WAV) is similar. Select Audio on top and in Library. Import if necessary and drag to the music track. Voice Over recording also performed here and dragged to Voice track. Volume and time controls available. Click Floppy symbol to save your project. Audio, entire project & each Clip can be previewed.

IV. The Video Capture Process (Cont)



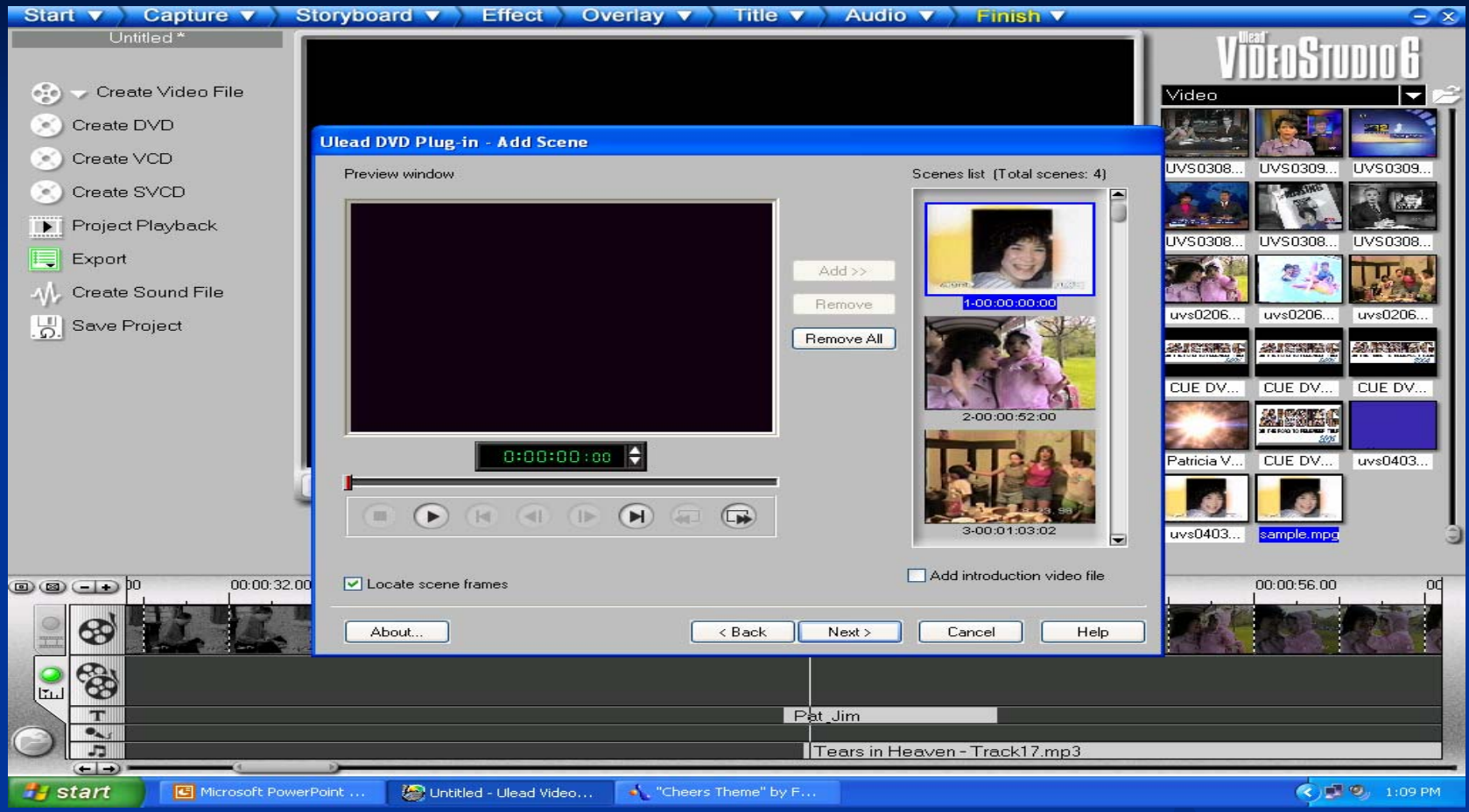
Putting it all together. Click Finish & Select NTSC DVD to create a DVD video file. Type in a title for the video file. For a Windows Media Player File, select Custom, then save as file type, "Windows Media Video". The rendering process, piecing together all the clips, results in a .MPG video file created & copied into the Library. Other options are Video CD (VCD) to be burned on a standard CD.

IV. The Video Capture Process (Cont)



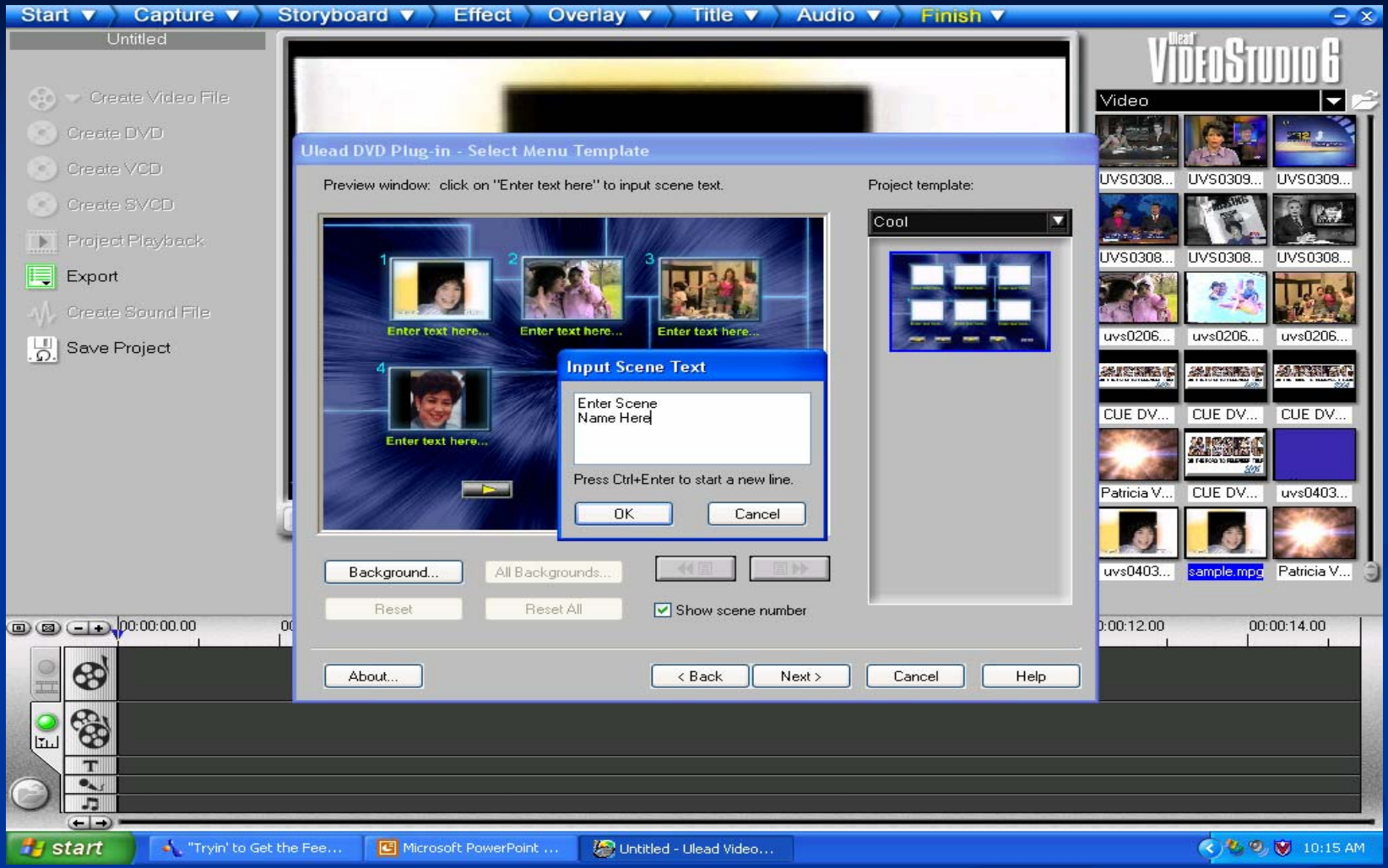
While still in Finish Mode, click to select the New Video File created. Click Export & Select the Ulead DVD Wizard to prepare setup the DVD Burning Process. After the Export, the DVD Wizard opens. DVD will be selected & the Creation Scene selection Menu will be selected. Deselect for no scenes. Click Next to continue.

IV. The Video Capture Process (Cont)



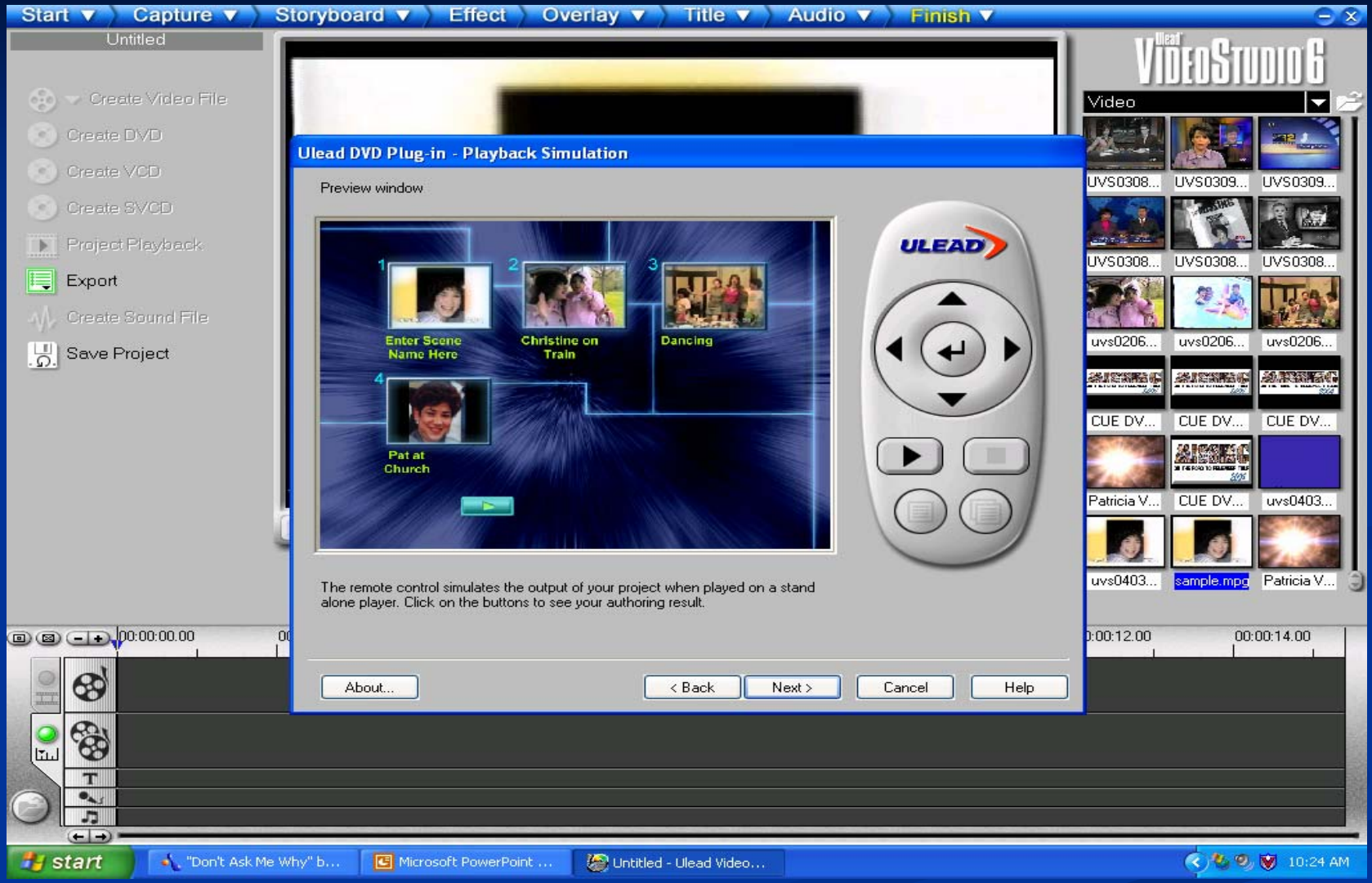
Select Add Introduction Video if you had already created it. Setup the scenes by accepting the pre-selected ones or add your own by selecting the times. The next page allows you to name the scenes and choose your background. You can always go back & update. Click Next to create scene names.

IV. The Video Capture Process (Cont)



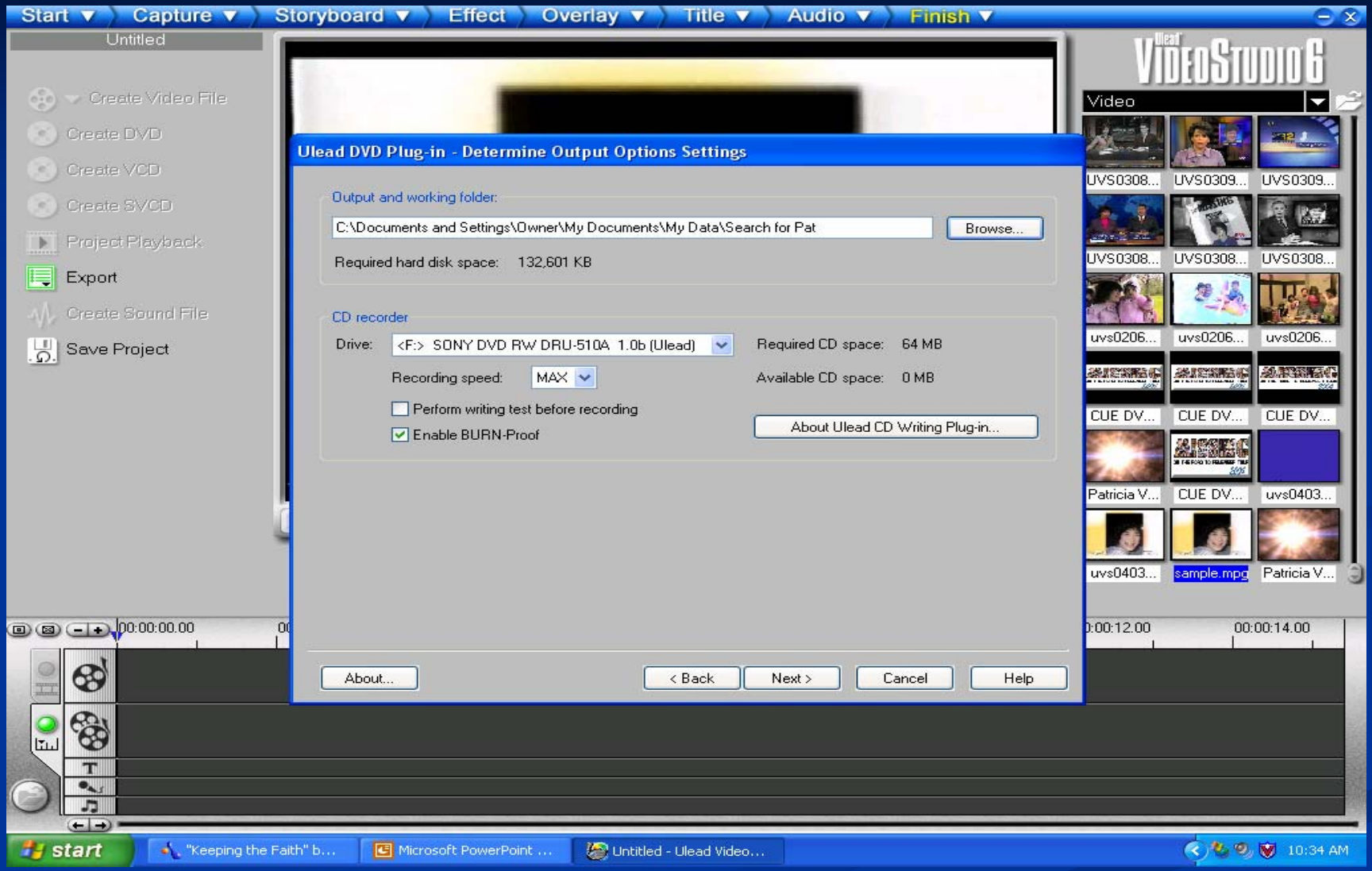
Progressing through the DVD authoring process, clicking on the text, "Enter text here" under each of your scenes opens a dialog box for scene name entry. There are 6 scenes per screen. If there are more than 6, click the arrow to advance to the next page of scenes and continue. Click next when complete.

IV. The Video Capture Process (Cont)



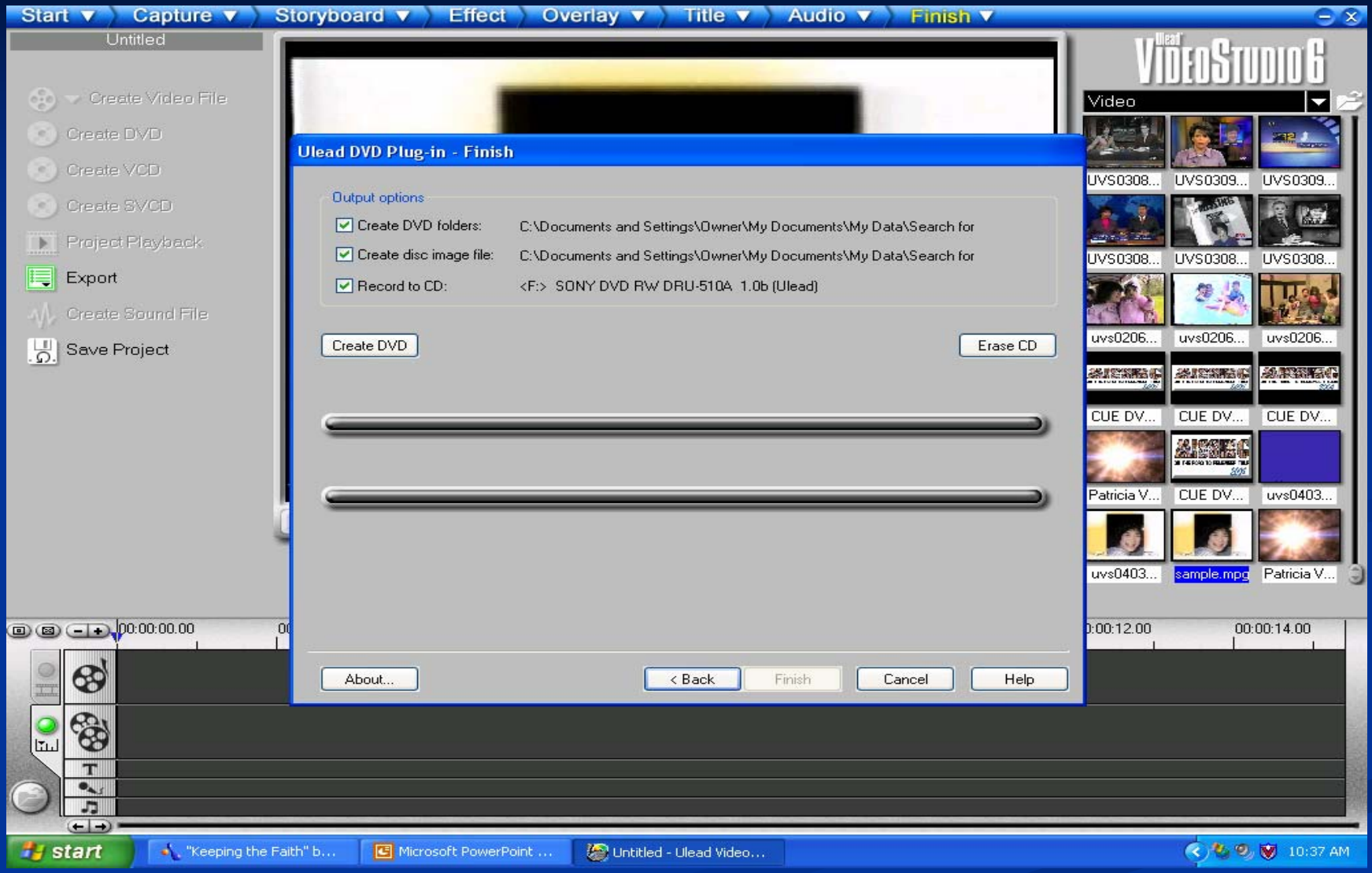
Select a scene by clicking it with your mouse and use the simulated remote to Playback your scene. Click next when complete.

IV. The Video Capture Process (Cont)



Almost done. Select Output and Working Folder on your hard drive and confirm the CD recorder selected. Click next.

IV. The Video Capture Process (Cont)



Last screen. "Record to CD" is selected. Select "Create DVD folders" and "Create disk image file". Put a blank DVD (or CD) in the burner and before proceeding, wait for the DVD/CD burner drive light to extinguish. Click the "Create DVD" button to burn your DVD. Done.

IV. The Video Capture Process (Cont)

- Video Capture Formats & Media Types Overview
  - Video CD (VCD) versus DVD

	DVD (Single Sided)	VCD
Data Storage	4700 MBytes	700 MBytes
Video Storage	2 Hours	1 Hour
Video Format	MPEG-2	MPEG-1
Video Resolution	704 x 480	352 x 240
Pricing (Approx.)	$2 each (4x speed)	20 ¢ each

- Use DVD-RWs or CD-RWs rewritable media for Pre-mastering of your projects.

- Sample DVD Project.

V. References

- Download this presentation from:
  http://patriciaviolamissing.homestead.com/videocapture.pdf

- The Internet
  - http://www.dvdrhelp.com
  - http://www.webopedia.com
  - http://www.adstech.com
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VI. Q & A

Thank You